

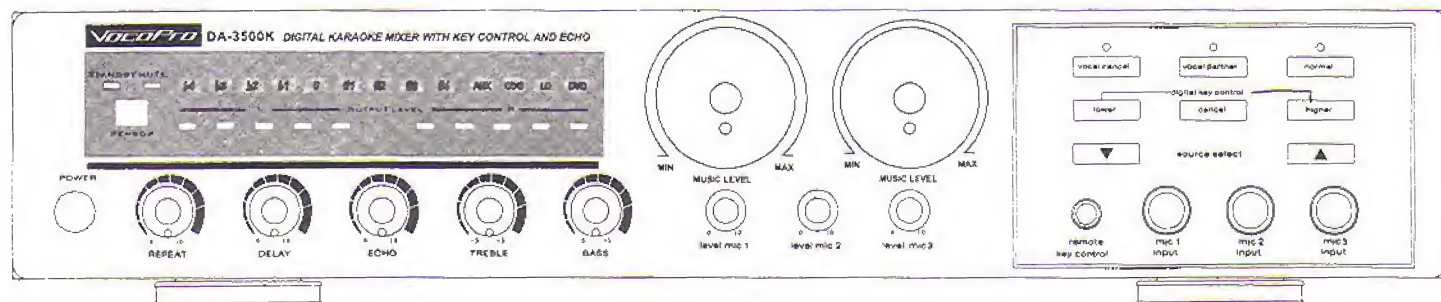
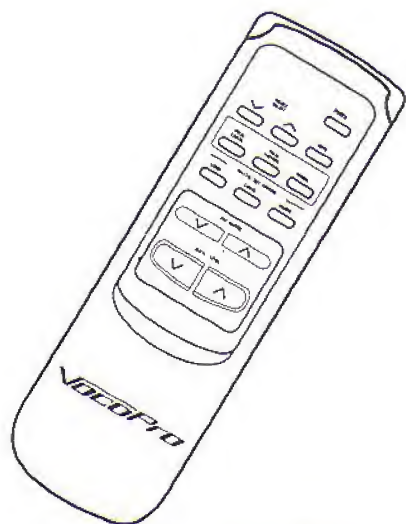
KARAOKE

DIGITAL KEY CONTROL MIXING SYSTEM

VocoPro®

ULTIMATE CHOICE OF KARAOKE ENTERTAINMENT

INSTRUCTION MANUAL



DA-3500K

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WARNING: TO PREVENT FIRE OR SHOCK HAZARD. DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL



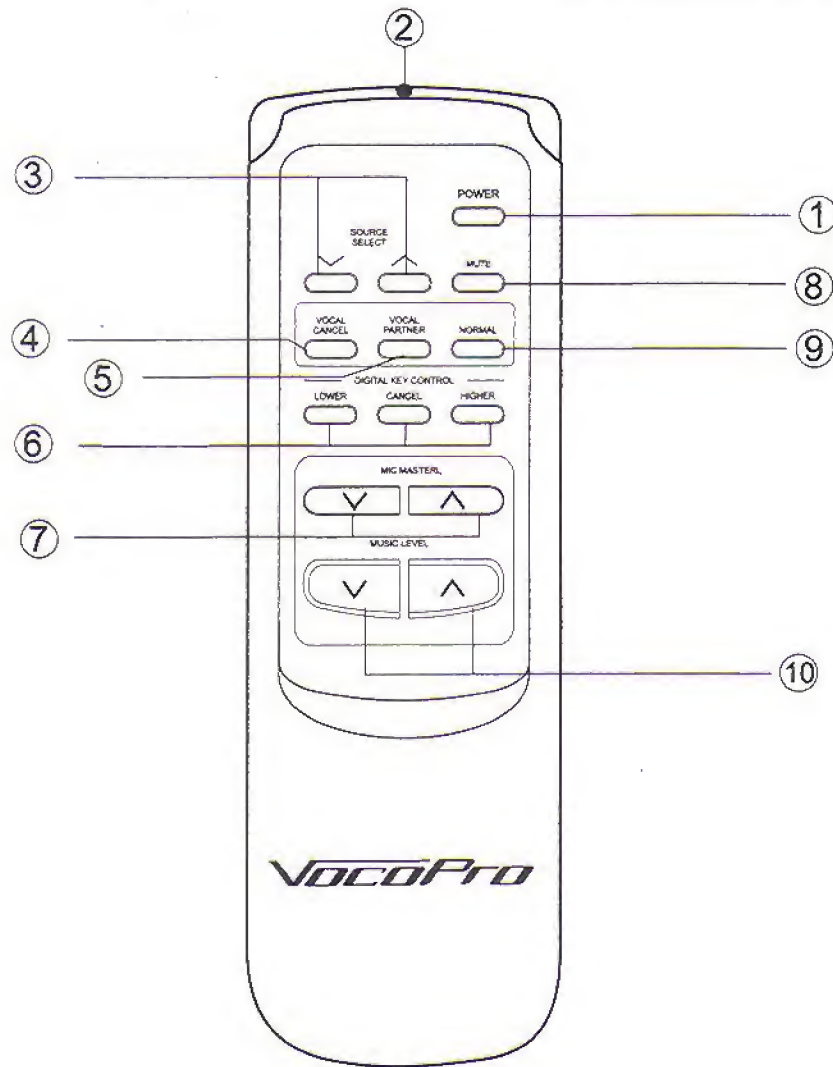
This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.



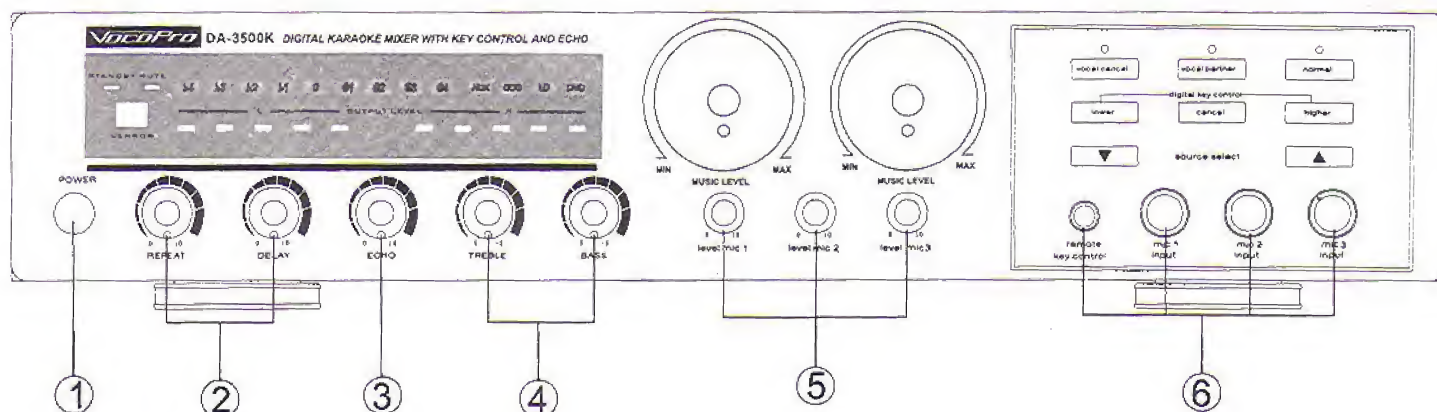
This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

IMPORTANT SAFEGUARDS

1. **Read Instructions** - All the safety and operating instructions should be read before the appliance is operated.
2. **Retain Instruction** - The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** - All warnings on the appliance and in the operating instructions should be adhered to.
4. **Follow Instructions** - All operating and use instructions should be followed.
5. **Ventilation** - The appliance should be situated so that it's location or position does not interfere with it's proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings, or placed in a built-in may impede the flow of air through the ventilation openings.
6. **Servicing** - The user should not attempt to service the appliance beyond that described in the operation instructions. All other servicing should be referred to qualified service personnel.
7. **Cleaning** - The appliance should be cleaned only as recommended by the manufacturer.
8. **Water And Moisture** - The appliance should not be used near water, for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement or near a swimming pool and the like.
9. **Non-Use Periods** - The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
10. **Object And Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the unit through openings.



1. POWER SWITCH
2. REMOTE SENSOR
3. SOURCE SELECT BUTTON: PRESS THE UP & DOWN FOR SELECT AUDIO & VIDEO SIGNAL.
4. VOCAL CANCEL BUTTON
5. VOCAL PARTNER BUTTON
6. DIGITAL KEY CONTROL BUTTON
7. MIC MASTER BUTTON
8. MUTE BUTTON
9. AUTO RESET BUTTON
10. MUSIC LEVEL BUTTON



1. POWER SWITCH

PRESSING THIS SWITCH TURNS ON THE POWER.
PRESSING THIS SWITCH AGAIN TURNS OFF THE POWER.

2. ECHO REPEAT AND DELAY CONTROL

CONTROLS THE ECHO CHARACTERISTICS OF MIC 1, 2 AND 3.

REPEAT: ADJUSTS THE TIMING OF THE ECHO.

DELAY: ADJUSTS THE REPETITION INTERVAL OF THE ECHO.

3. MIC. ECHO CONTROL

CONTROLS THE DIGITAL ECHO LEVELS FOR MICROPHONES 1, 2 AND 3 SIMULTANEOUSLY.

4. MIC. TREBLE AND BASS CONTROL

ADJUSTS THE TONE (TREBLE/BASS) OF THE MICROPHONE.

5. MIC. 1 ~ MIC. 3 VOLUME CONTROL

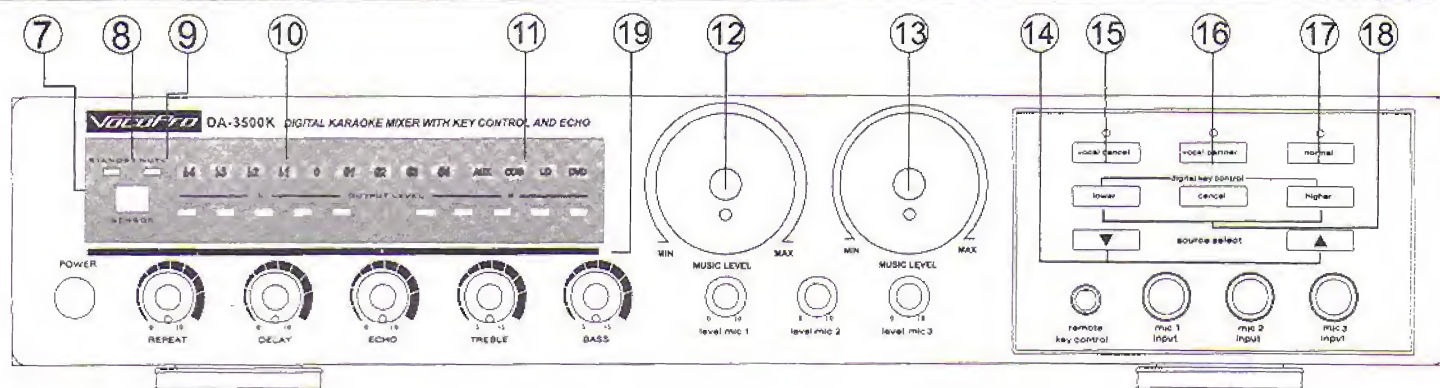
TO ADJUST THE RESPECTIVE MICROPHONE'S VOLUME LEVEL INDEPENDENTLY.

6. MIC. AND KEY CONTROLLER JACKS

THREE MICROPHONES CAN BE CONNECTED SIMULTANEOUSLY.

WHEN USING A MICROPHONE WITH KEY CONTROL SWITCH, CONNECT IT TO THE JACK OF MIC 1, 2 OR 3. BE SURE TO CONNECT THE CONTROL CABLE TO THE KEY CONTROL JACK.

NOTES: TO PROTECT THE SPEAKERS AND AMPLIFIER: IT'S ALWAYS A GOOD IDEA TO TURN DOWN THE MIC VOLUME DURING MICROPHONE CONNECTION.



7. STAND-BY INDICATOR.

8. MUTE INDICATOR.

9. REMOTE SENSOR.

10. KEY CONTROL INDICATORS.

11. INPUT SELECTOR INDICATOR.

12. MUSIC VOLUME CONTROL:

CONTROLS THE MUSIC VOLUME OF THE COMPONENTS;
CONNECTED TO THE VCR, LASERDISC PLAYER, CDG PLAYER,
AND TAPE/AUX JACKS ON THE REAR PANEL.

13. MIC. VOLUME CONTROL

THIS IS THE MASTER VOLUME CONTROL FOR ALL THE MICROPHONES.

14. INPUT SELECTOR/INDICATORS

SELECT THE INPUT SOURCE SIGNALS YOU WISH TO PLAY.

15. VOCAL CANCEL.

THIS MODE IS USED TO CANCEL THE VOCAL MULTIPLEX DISKS
AND TAPES.

16. VOCAL PARTNER.

THIS MODE ALLOWS YOU TO SING ALONG WITH MULTIPLEX DISKS
OR TAPES WHEN ACTIVATED IT WILL CANCEL THE LEAD VOCAL YOU
ARE SINGING IF YOU FORGET A WORD OR PHRASE DURING THE
SONG THE RECORDED LEAD VOCAL WILL AUTOMATICALLY
RETURN UNTIL YOU RESUME SINGING.

17. VOCAL NORMAL MODE

USE THIS MODE TO RESET KEY CONTROL BACK TO STANDARD
PITCH AFTER EACH SONG.

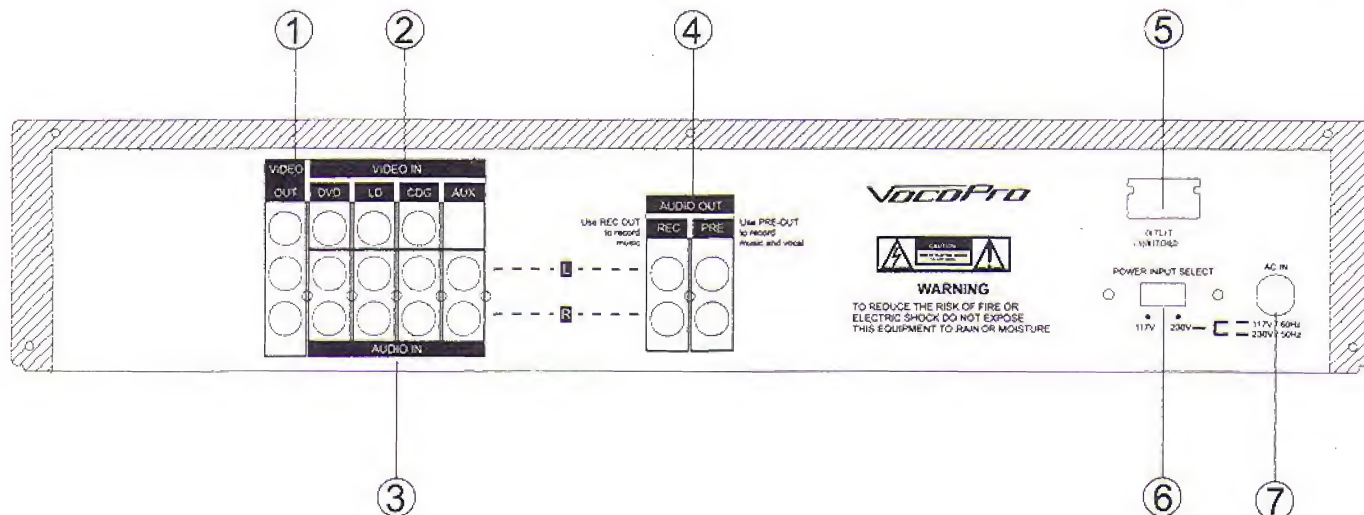
18. KEY CONTROL BUTTONS

PRESS TO CHANGE THE PITCH OF THE MUSIC SOURCE
DIGITALLY.

WHEN USING A MICROPHONE WITH KEY CONTROL SWITCH,
CONNECT IT TO MIC. 1, 2 OR MIC. 3 JACKS. AND BE SURE TO
CONNECT THE CONTROL CABLE TO KEY CONTROL JACKS.

NOTES: 1. TO POSITION THE SPEAKERS AND AMPLIFIER;
IT'S ALWAYS A GOOD IDEA TO TURN DOWN THE MIC. VOLUME
DURING MICROPHONE CONNECTION. 2. THE SET POSITION
OF THE KEY CONTROL MIGHT CHANGE WHEN THE CONTROL
PLUG IS CONNECTED TO OR REMOVED FROM THE KEY
CONTROLLER JACK. IN SUCH A CASE, RESET TO THE DESIRED
POSITION.

19. OUTPUT LEVEL INDICATOR.



1. VIDEO OUT JACKS
CONNECT TO THE VIDEO INPUT JACKS OF A TV MONITOR 1,2 OR 3.
2. VIDEO IN JACKS
CDG: CONNECT TO THE VIDEO OUTPUT JACKS OF A CDG PLAYER.
LD :CONNECT TO THE VIDEO OUTPUT JACKS OF A LASER DISC PLAYER.
DVD :CONNECT TO THE VIDEO OUTPUT JACKS OF A DVD PLAYER.
3. AUDIO IN JACKS
THESE JACKS INPUT AUDIO FROM THE CDG,LD,DVD & AUX.
4. AUDIO OUT JACKS
RECORD OUT JACK-THIS JACK IS USED TO HOOK UP THE UNIT TO THE INPUT OF A CASSETTE OR CD RECORDER.
5. AC OUTLETS (UNSWITCHED)
6. POWER INPUT SELECT SWITCH
PUSH THIS SWITCH TO SELECT POWER SYSTEM.(117 OR 230V)
7. POWER CORD

INCORRECT OPERATIONS ARE OFTEN MISTAKEN FOR TROUBLE AND MALFUNCTIONS. IF YOU THINK THAT THERE IS SOMETHING WRONG WITH THIS COMPONENT, CHECK THE POINTS BELOW. SOMETIMES THE TROUBLE MAY LIE IN ANOTHER COMPONENT. INVESTIGATE THE OTHER COMPONENTS AND ELECTRICAL APPLIANCES BEING USED. IF THE TROUBLE CANNOT BE RECTIFIED EVEN AFTER EXERCISING THE CHECKS LISTED BELOW, ASK YOUR AUTHORIZED SERVICE CENTER OR YOUR DEALER TO CARRY OUT REPAIR WORK.

SYMPTOM	POSSIBLE CAUSE	REMEDY
No sound from both or either speaker.	Power cord is unplugged.	Connect the power cord.
	No input is coming from input selector.	Set to the correct input and make sure the desired component is being played.
Microphone mixing will not operate.	Microphone is not plugged in correctly.	Plug the microphone completely into the terminal.
	Mic volume control is set to minimum.	Adjust with the mic volume control.
Remote control unit does not work.	No battery is loaded in the Batteries are low. A fluorescent lamp is near the remote control sensor.	Insert new batteries. Place the fluorescent lamp away from the amplifier.
	The distance to the amplifier is too far, or the remote control unit is pointed at an improper angle.	Use the remote control unit within a range of approximately 23 feet (7M) and at an angle of approximately 30 degrees or less.
	An obstacle exists between the remote control unit and amplifier.	Use the remote control unit from a different angle or remove the obstacle.

AUDIO INPUT (AT 1 KHz):

MICROPHONE.....2.5mv/10K Ω AUX/CDG/LD/DVD.....350mv/50K Ω

AUDIO OUTPUT.....>600mv

VIDEO:

CDG/LD/DVD.....1V P-P/75 Ω

FREQUENCY RESPONSE:

CDG/LD/DVD.....20Hz-20KHz ± 2 dB

TONE CONTROL (MIC.):

BASS..... ± 6 dB (100Hz) ± 2 dBTREBLE..... ± 6 dB (15KHz) ± 2 dB

ECHO DELAY TIME.....35MSEC - 250 MSEC

KEY CONTROL RANGE+4/-4 MUSIC INTERVALS (9 POSITIONS)

SIGNAL TO NOISE RATIO.....MORE THAN 75 dB

POWER SUPPLY , OTHERS:

POWER REQUIREMENTS.....AC 117V/60Hz OR 230V/50Hz

POWER CONSUMPTION.....7 WATT

AC OUTLETS:

UNSWITCHED.....1 (TOTAL 250W).

DIMENSIONS:(W X D X H) : 430 X 325 X 95 (MM)

ACCESSORIES:

AUDIO CORDS.....1 SERIES (AUDIO AND VIDEO)

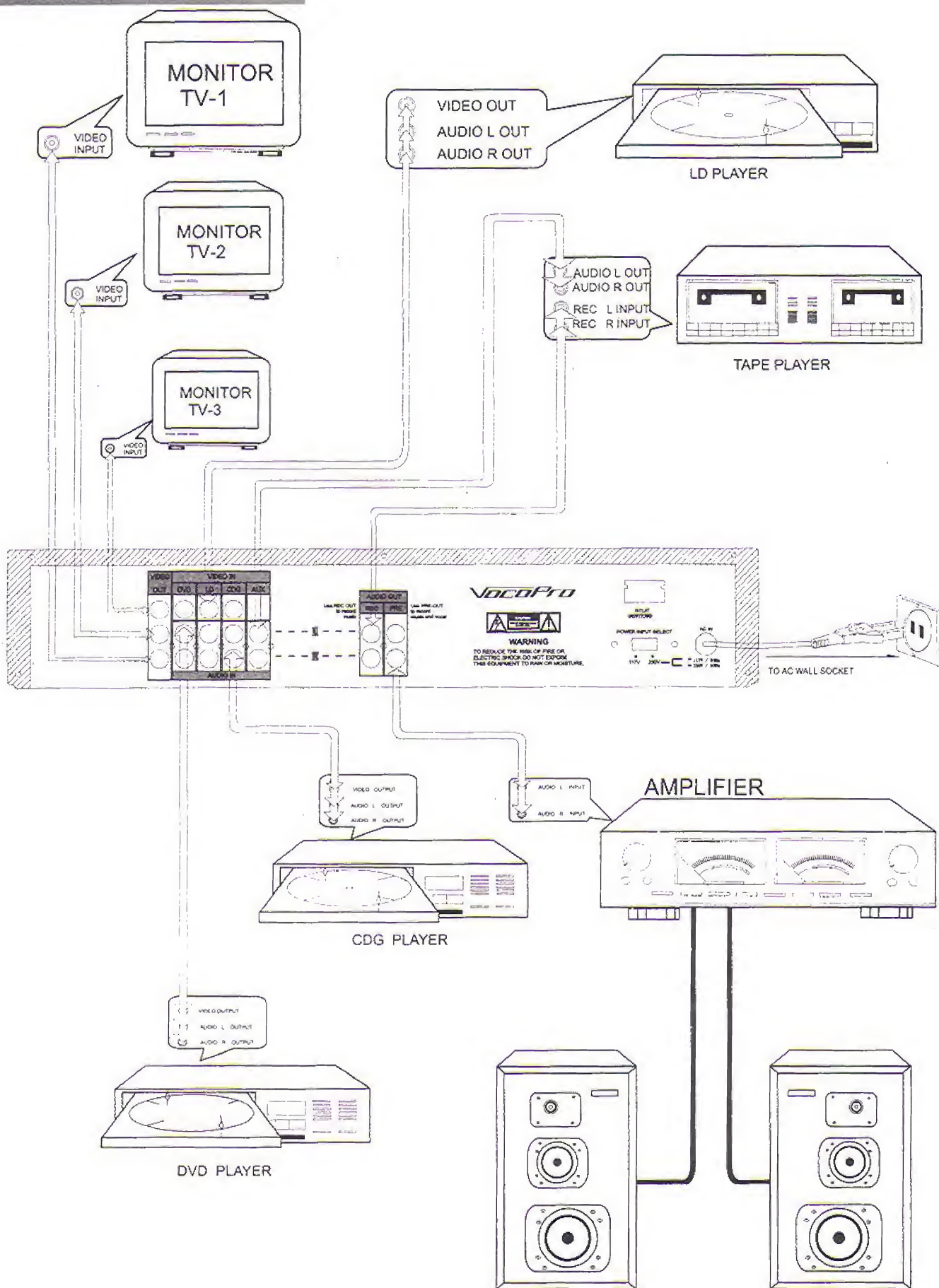
OPERATING INSTRUCTION.....1

REMOTE CONTROL UNIT.....1

BATTERIES.....2

WARRANTY CARD.....1

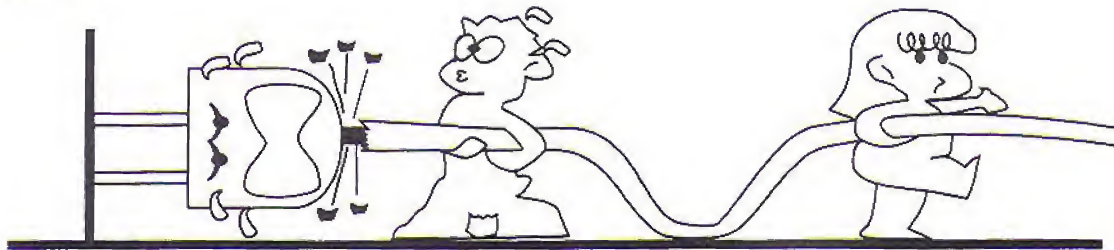
MICROPHONE.....2



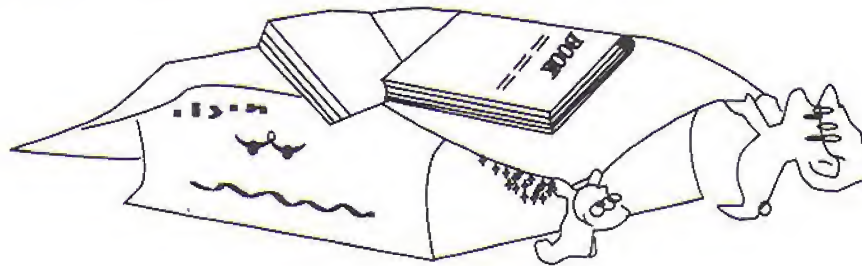
Please read all of the the safety and operating instructions before operating this unit. for best result, follow all warnings placed on the unit and here to the operating and use instructions. These safety and operating instructions should be retained for futrue reference.

1. Power source - The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
2. Power - cord protection - Power - supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.

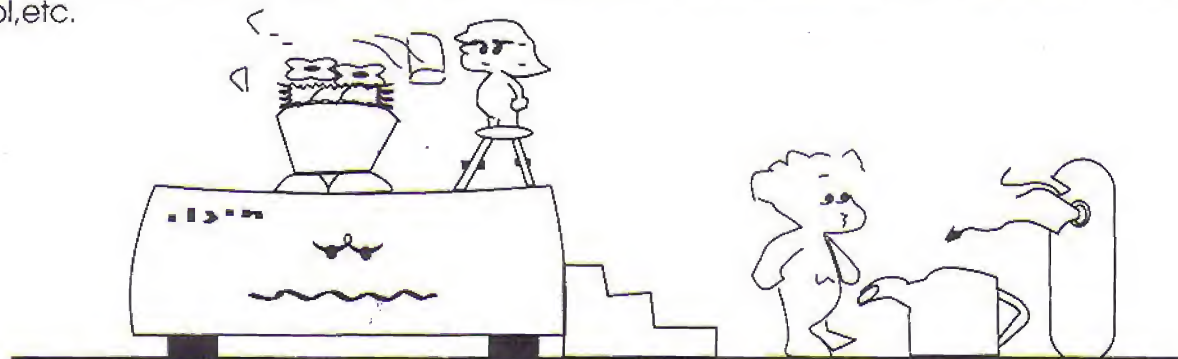
NEVER PULL OR STRETCH THE CORD



3. Ventilation - The unit should be situated so that its location or position does not interfere with its proper ventilation.
To maintain good ventilation, do not put records or a table - cloth on the unit. Place the unit at least 10 cm away from the walls.

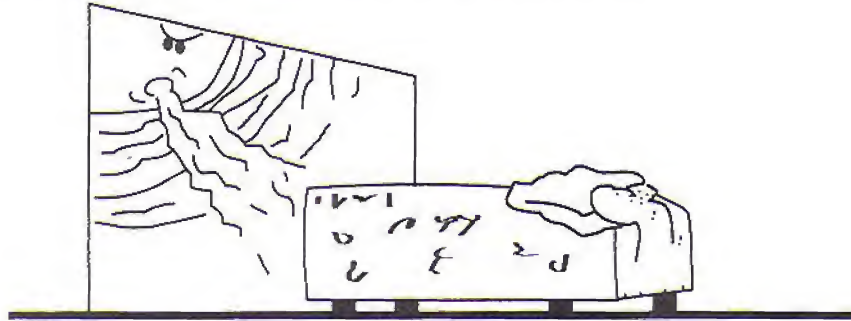


4. WATER AND MOISTURE - The unit should not be used near water - for example, near a bath tub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

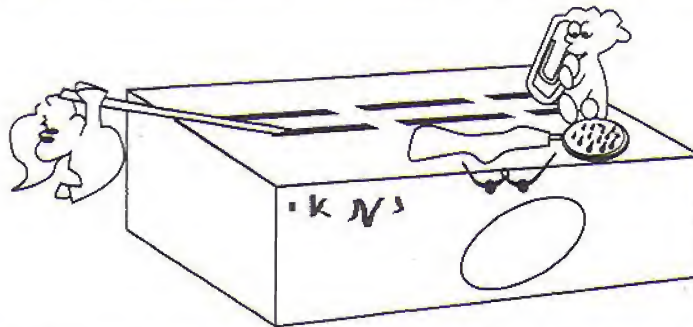


5. TEMPERATURE - The unit may not function properly if used at extremely low, or freezing temperatures. The ideal ambient temperature is above +5 C (41 F).

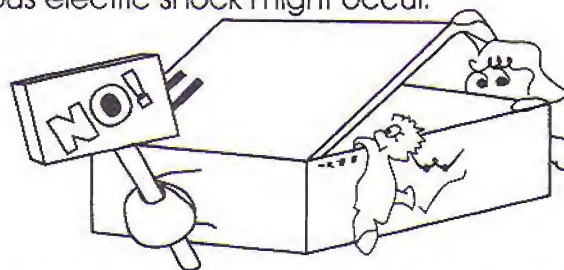
6. Heat - The unit should be situated away from heat source such as radiators, heat registers, stoves, or other units (including amplifiers) that produce heat.



7. Electric shock - If a metal object, such as a hair pin or a needle, comes into contact with the inside of this unit, a dangerous electric shock may result. For families with children, never permit children to put anything, especially metal, inside this unit.



8. Enclosure removal - Never remove the enclosure. If the internal parts are touched accidentally, a serious electric shock might occur.



9. Cleaning - Do not use volatile solvents such as alcohol, paint thinner, gasoline, or benzene, etc. to clean the cabinet. Use a clean dry cloth.



10. Abnormal smell - If an abnormal smell or smoke is detected, immediately turn the power OFF and pull out the power cord. Contact your dealer or nearest service station.

POWER OFF!

